		OIP	1	ATTY DOCKET NO. 2002JP314		ERIAL NO. 10/	532,364	
4: INF	ORMATION DISCLOSURI	E OFTATION S	[3	Yoshinori NISHIWA				
	ORMATION DISCLOSURI (Use several sheets if neces	SEP 2.9 70	15 E	FILING April 20, 20	G	ROUP To Be	Assigned	
		131		T DOCUMENTS				
EXAMINER	DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS	FILING DAT	_
CH	3,666,473	5/30/1972	Colom	et al.				
СН	4,115,128	9/19/1978	Kita					
СН	4,247,611	1/27/1981	Sander	r et al.				
CH 3	4,275,139	6/23/1981	Stahlbe	olen				
CH	4,506,003	3/19/1985	Rucker	rt et al.				
СН	4,506,006	3/19/1985	Rucke	rt				
СЯ	4,678,737	7/7/1987	Schnel	ler et al.				
СН	6,635,400	10/21/2003	Kato e	t al.				
CH ·	6,720,128	4/13/2004	Adega	wa et al.			 	
СН	US 2001/0040066 A1	11/22/2001	Kato e	t al.				
СН	US 2003/0039916 A1	2/27/2003	Adega	wa et al.		<u></u> _		-
		FOR	EIGN PAT	ENT DOCUMENTS		 	,	
	DOCUMENT NUMBER	DATE	COUNTRY		CLASS	SUBCLASS	TRANS	NO
	EP 0 530 654 A1		EURO	DE			<u> </u>	<u> </u>
	GB 3 173 117 A		UNIT	ED KENGDOM				
	IP 4-192650		JAPA	N.				
	JF 0-43030		JAPA	N				
	€F 11-93433		JAPA	N				
	OTHER DOCUM	ENTS (Includi	ing Autho	or, Title, Date, Pertine	nt Pages, Etc.)		
CH	English Language at	bstract of JP 4-18		inkno	wn [Jata	ر کی	7
СН	English Language at	bstract of 11-0954		unkn	ow0	Dat	e	Gt
EXAMINER	/Primary Examiner	Cynthia Ham	ilton/	DATE CONSIDERED	06/24/2	2006		
·EXAMINED.	Initial if reference considered, whe				raw line through c	itation if not in	conformanc	e and not
appeldered to	notice conv of this form with part	communication to a	innilcant.		-	,		

POSCREVO3

Patent and Trademark Office . U.S. DEPARTMENT OF COMMERCE

RESI AVAILABLE COPY

37 1					2002JP314D 10/532,364							
* INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)						Yoshinori NISHIWAKI et al.						
·						FILING April 20, 2005		ROUP To Be	e Assigned			
				U.8	. PATEN	IT DOCUMENTS						
"EXAMPLER ONITIAL			DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS	FILING DATE			
						•						
	_	,										
									 			
								-	+			
					<u> </u>			 	ļ			
					<u> </u>			 				
								<u> </u>	ļ			
										1		
								ļ				
				FORE	ign pa'	TENT DOCUMENTS	<u> </u>		<u>.l</u>			
			DOCUMENT NUMBER	DATE		COUNTRY CLASS SUBCLASS				LATION		
		172- 5	2-80022		JAPAN				YES	NO .		
					JAPA							
		-	3-133429									
		37.3	4-23570		JACEA							
		37 3	35-73045		JAPA	N						
	_	JP 5	66-30950		JATA	N						
			OTHER DOCUME	NTS (Includin	ng Auth	or, Title, Date, Pertinent	Pages, Etc.)				
СН			English Language absti	ract of JP 62-124	4556.	Noda	te C	siver	, 9	4		
CH			English Language abst	ract of JP 62-21	5947.	409	ato	6,11	en	7		
EXAMINER		/Pr	imary Examiner (ynthia Ha	milto		06/24					
*EXAMINER	R: Initi	al if ref	ference considered, whethe by of this form with next con	or not citation is nmunication to as	in confr pplicant.	ormance with MPEP 609; Draw	line through c	itation if not in	conformance	and not		

Form PTO-A820 (also form PTO-1449) POSC/REVOS

Patent and Trademark Office .* U.S. DEPARTMENT OF COMMERCE

BEST AVAILABLE COPY

				2002JP314D 10/532,364							
→ , ^{II}	IFOR	MATION DISCLOSURE (Use several sheets if neces		Yoshinori NISHIWAI	Yoshinori NISHIWAKI et al.						
		(030 304) 11 310010 11 10000		FILING April 20, 200	FIUNG April 20, 2005 GROUP To Be Assigned						
			U.8	B. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	DATE NAME		SUBCLASS	FILDIG DATE IF APPROPRIATE				
	十	•									
					-	 					
	_		ļ								
,				•							
	_		 				·				
						1224					
	\dashv					 					
	_				-	-					
			FOR	EIGN PATENT DOCUMENTS	•						
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO				
		JP 37-37349		JAPAN							
		5P-59-114031		JAPAN							
	-	93, 00-302444		JAPAN							
		JD-61-205933		JADAN							
	+	JY 02-124550		JAPAN							
		OTHER DOCUM	ENTS (Includi	ng Author, Title, Date, Pertinen	t Pages, Etc.)					
СН		English Language at	stract of JP 2001	-281863. No Da	xte o	Siver	n St				
СН		English Language al	ostract of JP 2001		ate						
EXAMINER			Abia Maria	DATE CONSIDERED	06/24/	2006					
		mary Examiner Cyn		is in conformance with MPEP 609; Dra	w line through c	itation if not in	conformance and not				
considered.	Includ	le copy of this form with next o	emmunication to a	pplicant.	•						

Form PTO-A820 (also form PTO-1449)

Copyright 1994-67 LogalSter

POSC/REVOS

Petent and Trademark Office U.S. DEPARTMENT OF COMMERCE

				ATTY DOCKET NO. 2002JP3141		SERIAL NO. 10/532,364			
ا ند	INFC	RMATION DISCLOSUF		Yoshinori NISHIWA					
		(030 301010 010010 0 1	1330177	FILING April 20, 20		GROUP To Re	Assigned		
-0	_		1115	S. PATENT DOCUMENTS	<u> </u>		Manghed	-	
						T	FILDIG DATE		
EXAMINER INITIAL		OCCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	IF APPROPRIATE		
	i								
								1	
	·		+						
					+	1			
		 							
									
						+			
						+			
							<u> </u>		
						1			
	<u> </u>	<u> </u>	FORI	EIGN PATENT DOCUMENTS		<u> </u>	<u> </u>	-	
 ү		T		COUNTRY	CLASS	SUBCLASS	TRANSLATIO	ON	
\longrightarrow	<u> </u>	DOCUMENT NUMBER	DATE			-	YES 1	NO	
		JP 62-213947		JAPAN				_	
	\vdash	JT 2001-312000		JAPAN		+ :	+		
		IP 2001-281863	·	JAPAN					
				5.D.N					
		Jr 2002-229190		VALUE -					
		3F 2003-207017		JAPAN					
		OTHER DOCU	MENTS (Includia	ing Author, Title, Date, Pertinen	nt Pages, Etc	:)			
1	!					•			
				·					
							•		
					25/24	10000			
EXAMINER	R	/Primary Examiner	Cynthia Har	milton/ DATE CONSIDERED	06/24	/2006			
·FYALGME	- De Joi	Hal if mfamoco considered with	ether or not citation i	is in conformance with MPEP 609; Dra	aw line through	citation if not in	conformance and	d not	

Copyright 1994 LegalSter

POSC/REVOS

Patent and Trademark Office. U.S. DEPARTMENT OF COMMERCE

	0			2002JP314D		10/5	32,364			
/	A kol	MATION DISCLOSURE	CITATION	Yoshinori NISHIWAKI	et al.			•		
	DUA	3 / 500e R		FILING ► April 20, 2005	April 20, 2005 1752					
1/2	7		U.S.	PATENT DOCUMENTS						
*EXAMINER	DOCOMEN HOMEEN			. RAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE			
				,						
							-			
	.					 				
						+				
		<u> </u>								
						 				
						ļ				
				P						
						<u> </u>	ļ			
	l		FORE	IGN PATENT DOCUMENTS						
,		DOCUMENT NUMBER	DATE	Ç COUNTRY	CLASS	CLASS SUBCLASS TRANSLATION YES NO				
СН		EP 0 520 624 A1	12/30/1992	EUROPE						
СН		GB 2 172 117 A	9/10/1986	UNITED KINGDOM	<u> </u>					
CH		JP 4-182650.A	6/30/1992	JAPAN			1			
CH		JP 6-43650 A	2/18/1994 .	JAPAN (equivalent to EP 0 520	624 A1)		1			
CH		JP 11-95435 A	4/9/1999	JAPAN			1			
		OTHER DOCUM	ENTS (Includir	ng Author, Tille, Date, Pertinent I	Pages, Etc	.)				
СН		English Language A	bstract of JP 11-	95435 A. NoDa	te(Sive	h (1		
CH ·J		English Language A	bstract of JP 52-	Hugust	25	, 20	06	GH		
EXAMINE	R /Pr	imary Examiner Cynt	hia Hamilt	on/	. 01/1	6/2007		•		
•EXAMIN	ER: Init	ial if reference considered, whether	her or not citation is	s in conformance with MPEP 609; Draw	line through	citation if not in	conformance	e and not		
Considere	a. Inch	ude copy of this form with next c	ommunication (O 8)	Abuseur						

POSC/REVOS

Patent and Trademark Office * U.S. DEPARTMENT OF COMMERCE

PAGE 1

· OF 5

					ATTY DOCKET NO. 2002JP314D		SERIAL NO. 10/532,364			
	INFOR	MATION DISCLOSURE (Use several sheets if necess			Yoshinori NISHIWAKI	et al.				
		,	-,,		FILING April 20, 2005		GROUP	1752		
				DATENT	DOCUMENTS	-		134		
T			1	, PAIENI	· · ·					
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	·	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIA	те	
			.							
	\dashv	·····								
		All			•		+	,		
	-	•		-						
			1			<u>-</u>				
					Q					
			•							
			FORE	EIGN PÄTE	NT DOCUMENTS					
. '		DOCUMENT NUMBER	DATE		COUNTRY	CLASS	SUBCLASS	TRANSL	NO	
СН		IP 52-80022	7/5/1997	JAPAN	(equivalent to US 4,115	,128)				
СН		IP 53-133429	11/21/1978	JAPAN	(equivalent to US 4,247	,611)				
СН		IP 54-23570 B2	8/15/1979	JAPAN	(equivalent to US 3,666	,473)	,			
СН		ГР 55-73045 A	6/2/1980	JAPAN	(equivalent to US 4,275	5,139)	, in	·		
СН		JP 56-30850 B2	7/17/1981	JAPAN	(equivalent to US 4,115	128)				
		OTHER DOCUME	ENTS · (Includin	ng Autho	r, Title, Date, Pertinent F	Pages, E	tc.) ····			
CH		English Language A	bstract of JP 54-	23570 B2.	- L. L.		-			
				•	7/1112	006)			
CH		English Language Abstract of JP 54-23570 B2. 7/11/2006 English Language Abstract of JP 61-205933 A. 7/11/2006								
EXAMINED /P:	R rimar	y Examiner Cynthia	a Hamilton	/	DATE CONSIDERED	01/16	/2007			
		If reference considered, wheth			nance with MPEP 609: Draw	line through	h citation if not in	conformance	and not	

considered. Include copy of this form with next communication to applicant.

POSC/REVOS

Patent and Tradomark Office ' U.S. DEPARTMENT OF COMMERCE

PAGE 2

OF 5

1				ATTY DOCKET NO. SERIAL NO				
11		ATION DISCLOSURE		Yoshinori NISHIWAKI	et al.			
	. (0	29 28 Anidi Silogia II Linenaa	<i>,</i>	FILING		GROUP!	1752	
				April 20, 2005			132	
*EXAMINER				PATENT DOCUMENTS	CLASS	SUBCLASS	FILING DATE	
INITIAL		DOCUMENT NUMBER	DATE	• 'ê name		30350-05	IF APPROPRU	ATE .
						<u> </u>		
		•						
				•				
		•						
							<u> </u>	
				· .				
							ļ	-
				•		<u> </u>		
		•						
		•						
		•	FORE	IGN PATENT DOCUMENTS				
• 3		DOCUMENT NUMBER	OATE	COUNTRY	CLASS	SUBCLASS	TRANSL	ATION ON
CH	JР	57-37349 A	3/1/1982	JAPANo (equivalent to US 4,500	5,003)			
СН	JР	58-114031 A	7/7/1983	JAPAN (equivalent to US 4,506	5,006)			
СН	J.P	60-205444 A	10/17/1985	JAPAN (equivalent to US 4,678	737)			
CH	JР	61-205933 A	9/12/1986	JAPAN (equivalent to GB 2 172	2 117 A)			
СН	ЛР	62-124556 A	6/5/1987	JAPAN			J .	
		OTHER DOCUM	ENTS (Includir	ng Author, Title, Date, Pertinent I	Pages, Etc	c.)	• • •	
СН		English Language A	bstract of JP 200	2-229190 A. h	lal c	2006	C	11
				Datedrinted	111	$\chi_0 \cup \epsilon$, 	H
CH		English Language A	bstract of JP 200	2-6503 A.		1- 6	1	Q1
				Date Printed /	12	, 130C)6	A
EXAMINER /Pr	imarv	Examiner Cynthi	a Hamilton	DATE CONSIDERED	01/16/	/2007		
				s in conformance with MPEP 609; Draw	line through	citation if not in	conformance	and not
considered.	Include c	copy of this form with next co	mmunication to a	pplicant.		,		

Copyright 1994-97 LegalSter

PO9C/REVO3

Patent and Trademark Office " U.S. DEPARTMENT OF COMMERCE

PAGE 3

OF 5

P

,					2002JP314D SERIAL NO. 10/532,364					
IN		ATION DISCLOSURE (Jse several sheets if necessa			Yoshinori NISHIWAK	I et al.				
					FILING April 20, 2005		GROUP 1	1752		
			U.S	. PATEN	IT DOCUMENTS					
"EXAMINER"		DOCUMENT NUMBER	DATE		P. NAME	CUSS	SUBCLASS	FILING DATE		
	1			-			1			
	+	-		-		<u> </u>	+	<u> </u>		
	+-		 	 		<u> </u>	+			
				-	~					
	1			 	•	 	_]	
										
				<u> </u>				·		
						·				
	\top				100				·	
	_	•								
•			FORE	EIGN PAT	TENT DOCUMENTS					
•		DOCUMENT NUMBER	DATE		COUNTRY	CLASS	SUSCIASS	TRANSLATION YES NO		
СН	JP	62-215947 A	9/22/1987	JAPA	<u> </u>			J.		
СН	JР	2001-281863 A	10/10/2001	JAPA	ทั้ง			1		
СН	J.P	2001-312060 A	11/9/2001	JAPA				1		
СН	ЛР	2002-229190 A	8/14/2002	1	and US 2003/00399	101			:	
СН	JР	2002-6503 A	1/9/2002	JAPA	and US 2001/00440	5,400 66)				
·		OTHER DOCUME	.NTS (includin	ng Auth	or, Title, Date, Pertinent	Pages, Et	c.)	,		
СН		English Language Abs	stract of JP 2003.	-207017	A. 1	11/6	15/10		41	
		<u> </u>	· C	tat	e Printel)	0	YOOR	! 	#	
·										
ù							· .			
EXAMINER:	./Pr	imary Examiner C	ynthia Ham	ilton	DATE CONSIDERED	01/16/2	2007			
		reference considered, whethe copy of this form with next cor			ormance with MPEP 609; Draw	fine through	citation if not in o	conformance	e and not	

Copyright 1994 LegalStar

POSC/REVOS

Page 4 OF 5 11607

•				ATTY DOCKET NO. 2002JP31	ATTY DOCKET NO. SERIAL NO. 10/532,364						
IN		ON DISCLOSURI		Yoshinori NISHIW	Yoshinori NISHIWAKI et al.						
			,,	FILING April 20, 2		GROUP	1752				
			U.	S. PATENT DOCUMENTS							
examiner Phitiál	00	OCUMENT NUMBER	. DATE -	NAME	CLASS	SUBCLASS	FILING DATE				
				P ₃							
	•										
·		•									
				*.							
		·						•			
				, S.							
•			FOR	REIGN PATENT DOCUMENTS							
	×	OCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	SLATION			
СН	JP 200	3-207017 A	7/25/2003	JAPAN			1				
		• • • • • • • • • • • • • • • • • • • •									
				è							
							<u> </u>				
		• .] .				
		OTHER DOCUM	MENTS (includ	ling Author, Title, Date, Pertine	ent Pages, Et	c.)					
,		;		<u>\$</u>							
EXAMINER /Pri	imary Ex	aminer Cynth	ia Hamilto	n/ DATE CONSIDERED	01/16	6/2007					
'EXAMINER:	Initial if refere	ence considered, where	ther or not citation	Is in conformance with MPEP 609; C	Draw line through	n citation if not in	conformanc	e and not			

PO9C/REVO3

Patent and Trademark Office * U.S. DEPARTMENT OF COMMERCE

PAGE 5

OF 5